

DEPARTMENT OF COMMUNITY MEDICINE
HAMDARD INSTITUTE OF MEDICAL SCIENCES & RESEARCH, NEW DELHI

<u>ELECTIVE-1</u>	
Name of Block	Block 1
Name of Elective	Basics of Biomedical Research
Location of hospital lab or research facility	Department of Community Medicine
Name of internal preceptor(s)	Prof Farzana Islam, Head, Dept of Community Medicine Dr. Kartikey Yadav, Asst Prof Dr. Md Rashid, Asst Prof Dr. Shyambhavee, Asst Prof
Name of external preceptor (if any)	Dr. Temsunaro Mr. Alok Arya CHRD SAS
Learning objectives of the elective	<ol style="list-style-type: none"> 1. Describe need of research 2. Demonstrate framing Research Question & Hypothesis (including PICO) 3. Draft a Research protocol 4. Describe Epidemiological Methods, studies, tools, sampling 5. Collect Data in quantitative and qualitative manner 6. Conduct basic data analysis and interpretation 7. Write Research report / paper
Number of students that can be accommodated in this elective	5 (Five)
Prerequisites for the elective	<ol style="list-style-type: none"> 1. Basic understanding of Epidemiology and Biostatistics as an undergraduate student 2. Personal laptop 3. Prior experience with ICMR STS will be preferred
Learning resources for students	<ol style="list-style-type: none"> 1. Research Methods in Community Medicine (J.H. Abramson, 6th Edition) 2. NPTEL – basic Course in Biomedical research 3. Gordis – Epidemiology 4. Good Clinical Practice
List of activities in which the student will participate	<ol style="list-style-type: none"> 1. Selecting a research topic 2. Formulating research question and hypothesis 3. Choosing a study design 4. Sample size calculation 5. Designing a study questionnaire 6. Tools for Data collection
Portfolio entries required	Entry in Logbook Draft Research protocol
Log book entry required	Yes
Assessment	Participation in activities Research Proposal Draft Daily work assessment
Other comments	-